

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 12, 2006

Inspector: Diana Walden

Location: 345kV Underground Route

Storm/

Rain Event: Between 0.27-0.48" of rain was recorded on 7/6 with an additional 0.58"-0.71" on 7/12 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Vault Openings and Trench Construction	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-7/12/06 -Restoration was also noted in a number of areas. Grass was growing well near the Zion church 7/5-7/12/06	- Continue providing good "house- keeping" along the roadways. Full restoration will be required when work is completed. 2/2-7/12/06	-Restoration continues at this time.
	-A number of vaults continue to be accessed along other portions of the route for internal work (pulling/splicing cable). 4/12-7/12/06	- Include these areas as part of the restoration efforts when access is complete. 4/12-7/12/06	-N/A
	- Active work at the Rt 7 and 107 intersection and in a few locations along Rt 7. 7/12/06	- It should be confirmed that catch basins in the area have controls. See erosion control section. 7/12/06	- Needs attention if not already addressed.
	- Drilling equipment is in place at the new HDD site in Georgetown and boring within the excavated pit is ongoing. 6/29-7/12/06	- A bermed asphalt pad remains in place to contain equipment in the Gilbert & Bennett lot. Continue to monitor the area. 6/14-7/12/06	- N/A
	- The exit point for the HDD is located at Church	- None at this time. Ensure all muds remain	- N/A at this time

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	St. Work is ongoing here. 7/5-7/12/06	contained to the project. 7/5-7/12/06	
Erosion and Sediment (E&S) Controls	- Grass growth increased at the high school J&B as well moving north towards Allen's Meadow. 6/20-7/12/06	- Continue to monitor for stabilization. The restoration efforts appear to be more successful this time. 7/12/06	- Growth continues
Route 7	- At the School Rd. HDD, areas along the perimeter wetlands remain in good shape. Grass was growing very well in the area adjacent to the southern wetlands. 6/29-7/12/06	- The site look very well restored but the soil surface remains soft. Continue to monitor for stabilization. 7/12/06	-N/A at this time
	- A small spot in this area appears to have the potential for a washout over the silt fence even though grass was starting to grow. 7/5-7/12/06	- Continue to monitor and repair and reinforce when necessary prior to the fence getting overwhelmed. 7/5-7/12/06	-Needs monitoring
	- An area of silt fence was noted along the driveway at the School Rd site but it was not toed in. 6/29-7/12/06	-It is unclear whether this is only here as construction fencing. If it is meant to reduce run-off to the restored area, it should be toed in. 6/29-7/12/06	-N/A unless the fence is for EC purposes
	-Wetland areas continue to look good following the sediment removal but pooled water was slightly turbid after the rain. 7/5-7/12/06	- Continue to monitor for final stabilization. 7/5-7/12/06	-N/A at this time.
	- Sediment and stone continue to overwhelm the silt fence near the swale on Old Danbury Rd. Several small stockpiles are also located here 6/29-7/12/06	-Pull back the sediment and restore the silt fence. The EC mats are in good shape. 6/29-7/12/06 Also consider removing accumulated sediment in the swale. 7/12/06	-Needs attention
	- The slope erosion near the HDD exit point was repaired with soil and rocks and the entire area was restored and seeded. 7/5-	-Continue to monitor for stabilization. 7/5-7/12/06	- The area was restored

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	7/12/06 - The vault at Wilton Corp Park was being accessed at this time. 6/20-7/12/06	-The vault area will not be restored until after access needs are complete. 6/20-7/12/06	-NA until access is complete
Erosion and Sediment (E&S) Controls Route 7 continued	- Landowner activities near the storage area near #848 (Rt.7) are also directly affecting wetlands, including placing sediment on the banks of the swales. 3/15-7/12/06 - Previously, catch basins near the Rt. 107 & 7 intersection did not appear to have filters/controls in place in the catch basins and has been disturbed for several months prior to work returning here this week 7/12/06	-The sediment placement and landowner activities are outside of project jurisdiction. 4/6-7/12/06 - Confirm that adjacent catch basins are protected and restore the island when access is complete. 4/6-7/12/06	-N/A - Needs attention
Rt. 107	- At the Georgetown Deli J&B, vegetative growth continues at all of the restored areas and the boulders are holding up well. 7/12/06	-Due to the sandy soils, EC mats are installed here to promote stabilization. Continue to monitor 5/31-7/12/06	- Vegetative growth continues
	- At the new HDD site (Gilbert & Bennett lot) along the Norwalk River, the bermed asphalt pad continues to contain the area and muds were being sent to a baker tank. 7/5-7/12/06	- Continue to monitor controls, especially in the corner of the site as run-off will concentrate here. Watch any areas of pooled water as well. 7/12/06	-N/A at this time
Umpawaug Rd. And Diamond Hill Rd.	- Some topsoil was noted piled near recently accessed vault areas. This may be in preparation to restore the area. 7/5-7/12/06 -Significant erosion was noted along the sides of the roadway and down the recently constructed slope	- Place controls if the pile will remain and continue to restore any remaining areas. 7/5-7/12/06 - The re-graded slope was a town project and should be evaluated by town engineers or DPW. 6/29-	- Topsoil was brought in but needs attention -Needs evaluation

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Norwalk Junction	<p>near #98, which was not project related. 6/29-7/12/06</p> <p>- Significant sediment had accumulated in the swale as a result of dewatering. 7/5-7/12/06</p>	<p>7/12/06 However, project crews should also evaluate the roadside erosion and confirm their work was not responsible (ie change in grade, run-off patterns.)</p> <p>- The swale had been cleaned once but it needs to occur again. 7/5-7/12/06</p>	- Needs attention
Adjacent Wetlands and Waterways	<p>-The wetland area to the east of the HDD basin had some turbid flow as a result of the rain but remains well restored. 7/5-7/12/06</p> <p>-Adjacent areas of wetland were restored around the HDD site. 6/14-7/12/06</p>	<p>-Continue to monitor until the area has stabilized. 6/20-7/12/06</p> <p>-Some wetland seed mix was placed and the areas can revegetate naturally. 6/20-7/12/06</p>	<p>- N/A</p> <p>-N/A</p>
Staging, Storage, and Parking Areas	<p>- The equipment storage yard on the property south of the Rt. 7 &107 intersection was mostly contained. 1/26-7/12/06</p> <p>- Disturbance is mostly due to landowner activities. 3/15-7/12/06</p> <p>- Debris was being piled here as well but efforts will be made to clean up. 6/29-7/12/06</p> <p>- The storage area along Rt 7 across from Old Highway Rd is still in use. The larger stockpiles were no longer noted 7/12/06</p> <p>- The racquet club storage yard has a pile of sandbags stored here. Stormwater had been seen running to the swale on site. 6/7-7/12/06</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind. Equipment should not be placed near resource areas.</p> <p>- Even though this is an active site, provide good housekeeping and remove debris when feasible. 5/4-7/12/06</p> <p>- The area is fairly well contained but control disturbed soil if necessary. Continue good housekeeping here. 7/12/06</p> <p>- Install haybales at the culvert within the swale in an attempt to filter run-off. 2/2-7/12/06</p>	<p>-N/A at this time</p> <p>-May need attention</p> <p>- Needs attention</p>

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	- Equipment and materials are also being stored off Rt 7 before the Rt 33 turn. 6/14-7/12/06	- Keep areas contained and avoid encroachment into the tree line 6/14-7/12/06	-Continue to monitor
Soils	<p>- Most soils on roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. Soils off roadway can be returned to the trench.</p> <p>- A few small stockpiles were noted near Old Danbury Rd. 7/12/06</p> <p>- A few small piles of topsoil were noted along the route in preparation for restoration. 7/5-7/12/06</p>	<p>- Soils appear to be handled appropriately. 7/12/06</p> <p>- Continue to make sure any stockpiles are backfilled to the trench by the end of each day. 2/2-7/12/06</p> <p>- Clean up or place controls as necessary. 7/12/06</p> <p>- Make sure controls are placed at the piles. 7/5-7/12/06</p>	<p>N/A at this time</p> <p>- Needs attention</p> <p>- Needs attention</p>
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-The restoration efforts (seeding and mulching) in several locations along Rt 7 resulted in good grass cover. 7/12/06</p> <p>- The restored area near Wilton HS and Allen Meadow's Park had continued growth. 7/12/06</p> <p>-Vault areas along Umpawaug Rd. will likely be restored soon. 7/5-7/12/06</p> <p>- Grass growth was increasing at the hydroseeded areas at the HDD. 7/12/06</p> <p>- New growth continues at the mats near Georgetown Deli. 7/12/06</p>	<p>-Continue restoration: other projects are ongoing as well making it difficult to coordinate efforts. 3/29-7/12/06.</p> <p>- Monitor for stabilization. 7/12/06</p> <p>-Restore where necessary after vault access. 5/10-7/12/06</p> <p>-Monitor for final stabilization. 7/12/06</p> <p>-Continue to monitor for final stabilization. 7/12/06</p>	<p>Restoration efforts were successful in several locations.</p> <p>-Grass growth was noted</p> <p>-Topsoil delivery was noted</p> <p>- Grass was growing</p> <p>- N/A</p>

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	- Some restoration was noted along Rt 7 near Ring's End lumber. 7/5-7/12/06	- Continue to monitor. 7/12/06	- N/A
Dewatering	- Dewatering was occurring at the new HDD. Any water with silt or slurry is being directed to a frac tank. In the past, run-off has pooled but was contained by the asphalt pad. 7/5-7/12/06 -Groundwater here has been laboratory tested and is within criteria for discharge. 7/12/06	- Continue to provide controls and keep silt controlled. 7/12/06 - Continue to be diligent about testing the water in this area. 7/12/06	- N/A
Blasting	- No blasting is occurring on site at this time.	- None at this time.	N/A
Spills and Material Storage	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 7/12/06	- The contractors should remain vigilant about securing and handling fuel containers. - Continue to keep all vehicles maintained well (i.e. no apparent fluid	-N/A
		leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand. - Report spills immediately, even if they are being controlled.	
Additional Observations	- The invasive species Phragmites was noted growing back at the School Rd HDD site. This had been present prior to work here and will be difficult to prevent. 7/12/06	-Continue to monitor and attempt to keep establishment from occurring in new areas.	

Next likely scheduled inspection:

Wednesday July 19, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its

attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Ann Schwenzer



345kV (Old Danbury Rd) Both photos show areas where the last few rain events had washed sediment and stone over the silt fence. The fence needs to be repaired and possibly reinforced with haybales. 7/12/06



(School Rd HDD) Photo shows a view of the site along the eastern side where the wetland area had been restored. The invasive species *Phragmites* had been present prior to the work and site disturbance and will likely continue to re-establish here. 7/12/06



Photo on the left shows the grass growth continuing within the restored HDD site. (Wilton HS): Photo on the right shows the old jack and bore site near Wilton HS. Efforts to re-vegetate the area were more successful this time. 7/12/06



Photo on the left shows the northern side of the stream, moving towards Allens Meadow Park. Grass growth is also increasing in this restored area. (Georgetown Deli): Photo on the right shows the bank in good shape where the boulders had been installed for reinforcement. 7/12/06



Photo on the left shows vegetative growth increasing along the restored streambank at Georgetown Deli. (New HDD) Photo on the right shows a view of the operations and the bore pit. 7/12/06



Photo shows another view of the operations and equipment at the new HDD site. 7/12/06